

19971206.qrp v00\_n931.qrs.971206

Date: Sat, 6 Dec 1997 19:03:15 EST  
From: qrp-l@Lehigh.EDU  
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: QRP-L digest 931

QRP-L Digest 931

Topics covered in this issue include:

- 1) [32034] Re: PIXIE 2 Kits...  
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
- 2) [32035] Re: Best way to de-flux circuit boards?  
by Norm Melick <henmel@postoffice.worldnet.att.net>
- 3) [32036] Wrong number...  
by Larry East <w1hue@amsat.org>
- 4) [32037] RE: Flux redux  
by Ed Tanton <n4xy@bellsouth.net>
- 5) [32038] Re: Circad Help  
by WB0NZM <WB0NZM@aol.com>
- 6) [32039] Centennial Cases?  
by "D.K. Philbin" <dphilbin@slonet.org>
- 7) [32040] 6M DSB/CW  
by MNHopkins <MNHopkins@aol.com>
- 8) [32041] GM-10  
by tom whalen <whalen@swcp.com>
- 9) [32042] ARRL '98 Handbook  
by Ryan <ryans@willinet.net>
- 10) [32043] Re: SGC 2020  
by Thomas J McCuen <TMcCuen@compuserve.com>
- 11) [32044] KC2CFZ  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 12) [32045] 160M Contest  
by n4js@pobox.com (John Sielke)
- 13) [32046] A "FIST" FULL OF Thanks!!  
by KF4EIB <KF4EIB@aol.com>
- 14) [32047] Low Power Attenuator Question  
by astone@erols.com
- 15) [32048] Re: ARRL '98 Handbook  
by wp4jxd@prtc.net (wp4jxd)
- 16) [32049] Re: GM-10  
by Dan Hogan <dhhogan@lightside.com>
- 17) [32050] Re: GM-10  
by "Ken Hanks" <kennfd@ibm.net>
- 18) [32051] Re: KS4L Fox Log  
by Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>
- 19) [32052] Re: FOX:"The Tale Of The Christmas Fox"

- by Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>
- 20) [32053] CQC Coffee Mugs  
by "Marshall Emm" <mgemm@ntechnologies.com>
- 21) [32054] Re: Low Power Attenuator Question  
by Stephen Trier <sct@po.cwru.edu>
- 22) [32055] Re: PIXIE 2 Kits...  
by "Frank A. West" <ke6vhm@earthlink.net>
- 23) [32056] Re: PIXIE 2 Kits...  
by "Frank A. West" <ke6vhm@earthlink.net>
- 24) [32057] Re: Fox schedule  
by Monte Stark <ku7y@sage.dri.edu>
- 25) [32058] Re: Best way to de-flux circuit boards?  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 26) [32059] Re: ARRL '98 Handbook  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 27) [32060] Re: Low Power Attenuator Question  
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 28) [32061] POSITIVE encumbrance  
by n3aaz\_qrp@juno.com (N3AAZ - John)
- 29) [32062] CIRCAD Help  
by "HB Electronics (Bob Berlyn)" <hb\_elec@ids.net>
- 30) [32063] re: ARRL handbook 1998  
by "Junius B. Fox" <w5hir@mail.phoenix.net>
- 31) [32064] N4BP Notes on K8FF (NorCal) Paddles  
by Bob Patten <n4bp@shadow.net>
- 32) [32065] Hayward, W7ZOI on 30M, Elmering  
by MNHopkins <MNHopkins@aol.com>
- 33) [32066] Re: Palmtop Computers  
by "William R. Moore" <wr.moore@worldnet.att.net>
- 34) [32067] Update my website  
by Hidehiko KOMACHI <ja9mat@nsknet.or.jp>
- 35) [32068] Canada Mail Strike  
by Bruce Rattray <rattray@gpfn.sk.ca>
- 36) [32069] Foxes; ARRL 160 Test; ARCI Test  
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 37) [32070] Another W7ZOI "Universal Transmitter" Experience  
by kd7s@psnw.com (Bill Jones)
- 38) [32071] KB7MBI FOX HUNT SCHED  
by ARDUJENSKI <ARDUJENSKI@aol.com>
- 39) [32072] FOX schedule and etiquette?  
by mjmullins@dow.com
- 40) [32073] Keyboards  
by gsurrency@juno.com (Gary Surrency)
- 41) [32074] Re: Market survey, DDS VFO  
by Steven Weber <kd1jv@moose.ncia.net>
- 42) [32075] K8FF/Norcal Paddle  
by Joel Malman <malman@BBN.COM>
- 43) [32076] Need an ARCI Team Member?

- by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 44) [32077] Jim Cates/Norcal Paddles  
by DMRAWSON <DMRAWSON@aol.com>
- 45) [32078] New e-mail address  
by Bill Meahan <www@wa8tztg.mi.org>
- 46) [32079] Re: Lightning, Grounding, Etc  
by Bill Howell <bhowell@mail.utexas.edu>
- 47) [32080] CQC Coffee Mugs Correction  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 48) [32081] Re: FOX N/T Monday  
by dhlaute@juno.com (David H. Lauten)
- 49) [32082] 1998 ARRL Handbook  
by Dan Hogan <dhhogan@lightside.com>
- 50) [32083] FS: 20M Band Module for Scout  
by "John T. Croteau" <johnc@geekopolis.com>
- 51) [32084] miles and persistence  
by John Pendrey <flyfish@ptialaska.net>
- 52) [32085] 160M Contest  
by n4js@pobox.com
- 53) [32086] Norcal Paddles?  
by Wayne Alexander <walexander@wwn.net>
- 54) [32087] Re: 160M Contest  
by Monte Stark <ku7y@sage.dri.edu>
- 55) [32088] Re: 160M Contest  
by Monte Stark <ku7y@sage.dri.edu>
- 56) [32089] Re: Lightning, Grounding, Etc  
by Tom Norris <badger@telalink.net>
- 57) [32090] Key Survey Results  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 58) [32091] FS:Century/21 Stn  
by ckrelic@usaor.net

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Date: Sat, 06 Dec 1997 00:04:19 -0800  
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>  
To: qrp-l@Lehigh.edu  
Subject: [32034] Re: PIXIE 2 Kits...  
Message-ID: <34890703.F2D@earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

.... and later today they two Pixie kits arrived from HSC. They are  
apparently in stock again at HSC.

73, Harvey, N6MM.

Earlier to day I said, "Regarding HSC, I telephoned them about one month ago and they were out of stock on the Pixie kits. I put two of them on backorder (which made their minimum order), but I have not received them as of the current date."

-----  
Date: Fri, 05 Dec 1997 16:20:22 -0800  
From: Norm Melick <henmel@postoffice.worldnet.att.net>  
To: k6qq@SOCAL.WANet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32035] Re: Best way to de-flux circuit boards?  
Message-ID: <34889A46.E53A3722@postoffice.worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

John Moriarity wrote:

>

> I finally had to jump in with my two cents worth.  
> I DON'T de-flux my circuit boards!

I don't generally say much on this list, but I just have to.

I built 2 38 Specials. My girlfriend watched me build both. During construction, she would say something like "That looks pretty", etc.

Anyway, I spent \$11.00 or \$12.00 dollars for the RS de-flux spray. I sprayed the second board, cleaned it up, and asked her if she could tell the difference between the boards. She examined the boards carefully, turned up her nose and said "This one stinks". We all know which one stunk, right? I threw the spray away, and never de-fluxed one again.

Those of you at Pacificon who met Veda and I, (Chuck, are you listening?) would appreciate this story. They never end.

Norm

Oh yea, the "stinky" board puts out 7 watts, the other one, about 4.

Only Veda would know why!!

-----  
Date: Fri, 05 Dec 1997 17:13:27 -0700  
From: Larry East <w1hue@amsat.org>  
To: "William R. Moore" <wr.moore@worldnet.att.net>  
Cc: qrp-l@lehigh.edu  
Subject: [32036] Wrong number...  
Message-ID: <3.0.3.32.19971205171327.009258f0@eloi>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I sent you the wrong value for my QRP-L number last night! It should have been 228 rather than 218 -- you copied it OK, I just sent it wrong! (Combination of bad memory and first fox hunt this year... :-)

I didn't turn on the rig until around 0330 and found you fairly quickly; you came back to my first call. Lots of QSB and some SSB QRM on the frequency; your sig varied from S-4 to down into the noise ( < S-1 ). I was running 5W to a 450 ft. long wire pointed more-or-less in your direction.

72/73, Larry.

-----  
Date: Fri, 05 Dec 1997 19:38:45 -0500  
From: Ed Tanton <n4xy@bellsouth.net>  
To: k6qq@SOCAL.WANet.com  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.edu>  
Subject: [32037] RE: Flux redux  
Message-ID: <3.0.1.32.19971205193845.00aae440@mail.atl.bellsouth.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have to agree with John about not really NEEDING to deflux most stuff... personally I DO deflux, using standard flux removers (and OK: acetone in REALLY stubborn cases), followed by denatured alcohol, and a dry cloth/paper towel to remove the moisture that seems to accompany the alcohol... BUT it's ONLY for looks. It would take a heck of a lot of flux residue combined with moisture and heaven knows what to affect a 12V or a 50 ohm RF circuit significantly.

There IS a small voice in my head that sez it might matter on some high impedance circuit paths-since it does absorb moisture a little and I think

Now, let me add that voltages higher than about 120V are an entirely DIFFERENT matter as far as I'm concerned. But we're talking about mostly LV, or 50 ohm paths.

So, don't get too excited about getting that nasty old brown stuff off-unless, like me, you tend to like things nice and shiny sans a little brown stuff at the edges.

73

Ed Tanton    N4XY                      EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA    30068-3466          TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		ORP to 150W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Fri, 5 Dec 1997 20:51:24 EST  
From: WBONZM <WBONZM@aol.com>  
To: ki6ds@dpol.k12.ca.us  
Cc: qrp-l@lehigh.edu  
Subject: [32038] Re: Circad Help  
Message-ID: <22ea75ce.3488afa3@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

In a message dated 97-12-05 19:55:50 EST, you write:

```
<< How do
you select which layers that you want to print? >>
```

Selecting which layers to print, is done in the screen that pops open when you select 'Plot' from the File menu.

You'll notice, in this window, a list of different 'layers', and a number to the right of each 'layer'. The number corresponds to the 'color', if you were using a color pen plotter. The number 7 stands for black. So, to print a particular layer in black (which is exactly what you want to do, if you're using a laser printer or inkjet printer, set the desired layer to print, to '7'. 'Clear' all of the layers that you do not want to print, by deleting the numbers for those layers.

This should get you going. If you still have trouble, let me know.

The FAQ that I have (which I found on Compuserve) has the most information in it that I've found anywhere. Do you have that FAQ? If not, I'll be happy to e-mail it to you.

John

-----  
Date: Fri, 05 Dec 1997 18:11:57 -0800  
From: "D.K. Philbin" <dphilbin@slonet.org>  
To: qrp-1@Lehigh.EDU  
Subject: [32039] Centennial Cases?  
Message-ID: <1.5.4.32.19971206021157.006e54d4@slonet.org>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Dear fellow ether excitors;

I have just about finished my 80M Centennial and I am wondering what types of cases that people have used to house ther rig.  
I am constructionally impaired when it comes to building cases...help!

I have also noticed a number of birdies.... have you?

If you have built and have an operating Centennial I would like to correspond with you via private e-mail.

Thanks!

D.K. Philbin KD6TK

-----  
Date: Fri, 5 Dec 1997 21:06:44 EST  
From: MNHopkins <MNHopkins@aol.com>  
To: tortonese@ciudad.com.ar  
Cc: QRP-L@Lehigh.edu  
Subject: [32040] 6M DSB/CW  
Message-ID: <6a028bac.3488b338@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Plans for a 6M DSB TX are found in any edition of Solid State Design for the Radio Amateur," Hayward (W7ZOI) and DeMaw (W1FB), ARRL 1977 et seq. in Chapter 8.

A DSB TX is a useful expediant and often goes un noticed by SSBers, save for the superior audio, but the minimalist DC RXs will not be able to hear it well if at all.

For a 6M CW TX kit as tough as English shoe leather, contact Kanga US or GB for the \$29.95 three-transistor TX kit that has been in service here, 24 hours a day, as a beacon for nearly 3 years without failure of any sort. Power out is 200mW which is enough to drive the 3W (and up) PA from the Handbook 6M Transceiver project or a classic 6M PA like a 2E26.

For those wanting to interface a SS TX or VFO to a v. tube stage, I can supply a citation to or a copy of a DeMaw monograph on the subject.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
Michael Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Fri, 05 Dec 1997 19:29:39 -0700  
From: tom whalen <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.edu>  
Subject: [32041] GM-10  
Message-ID: <3488B893.5852@swcp.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Anyone build above unit and have any comments on it? TNX 72,Tom WB5QYT



-----  
Date: Fri, 05 Dec 1997 20:36:08 -0700  
From: Ryan <ryans@willinet.net>  
To: qrp-l@lehigh.edu  
Cc: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>  
Subject: [32042] ARRL '98 Handbook  
Message-ID: <3.0.3.32.19971205203608.007f8ca0@mail.willinet.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Date: Fri, 5 Dec 1997 00:16:29 -5  
>From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>  
> [ snip ]  
>Now back the the regular list stuff. Is anyone intersted in a group  
>buy of the 1998 ARRL Handbook??  
>

I have seen the 98 Handbook for \$32. Isn't this pretty cheap?  
It was in my All Corp catalog. They usually have discounts for  
bulk orders.

Ryan

-----  
Date: Fri, 5 Dec 1997 21:53:38 -0500  
From: Thomas J McCuen <TMcCuen@compuserve.com>  
To: LI QRP Club Server <liqrp@waterw.com>, QRP-L Lehigh Server <qrp-l@Lehigh.EDU>  
Subject: [32043] Re: SGC 2020  
Message-ID: <199712052153\_MC2-2AE5-9757@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

To All,  
Below is a response I received from the SGC company...

It seems that they are standing behind their product and I was much supri=  
sed and DELIGHTED  
to get such a quick reply. =

Also the new price applies only to NEW orders as stated.

Sticking with my order!

Tom aa2vk

-----Forwarded Message-----

From: INTERNET:SGCMKTG@aol.com, INTERNET:SGCMKTG@aol.com

To: , tmccuen

=

Date: 12/5/97 1:24 PM

RE: Re: SGC 2020

Sender: SGCMKTG@aol.com

Received: from mrin52.mail.aol.com (mrin52.mx.aol.com [198.81.19.162])  
by arl-img-7.compuserve.com (8.8.6/8.8.6/2.9) with ESMTP id MAA26765  
for <tmccuen@compuserve.com>; Fri, 5 Dec 1997 12:52:43 -0500 (EST)

From: SGCMKTG@aol.com

Received: (from root@localhost)  
by mrin52.mail.aol.com (8.8.5/8.7.3/AOL-2.0.0)  
id MAA11860 for tmccuen@compuserve.com;  
Fri, 5 Dec 1997 12:52:31 -0500 (EST)

Date: Fri, 5 Dec 1997 12:52:31 -0500 (EST)

Message-ID: <971205125230\_1807435597@mrin52.mail.aol.com>

To: tmccuen@compuserve.com

Subject: Re: SGC 2020

Tom,

Thank you for contacting us about the SG-2020 transceiver. =

You will receive the SG-2020 with microphone for no additional charge. The  
e  
orders placed before Dec. 8, 1997 will still get the original pricing. =

The new price with the mic included becomes effective on the above mentioned  
date. =

The reason for the price change is not due to any marketing principle, it is  
because the cost of production of the units came in slightly higher than

anticipated. That is the only reason for the change. =

We worked very hard to maintain the original projected price, and include= as many features as possible. We are certian that you will agree that the SG-2020 is the best value in HF radios available. =

We hope that you understand, it is necessary for us to produce the radios= at a slightly lower cost than we sell them for, otherwise we will not be abl= e to continue. =

We have been watching the QRP-L site and are aware of the comments. =

Thank you for choosing SGC!

Best Regards,

Robert Gregg AB6CH  
SGC

-----  
Date: Fri, 5 Dec 1997 21:02:05 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Low Power Group <qrp-l@Lehigh.EDU>  
Subject: [32044] KC2CFZ  
Message-ID: <Pine.SOL.3.91.971205205716.5105A-100000@GPFN1.GPFN.SK.CA>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

...went sniffing around again tonight looking for the fox...at 0225Z  
heard him calling, clear signal...449 good for here...called him...no  
answer...called him...silence...called him once again....silence and no  
more since then....hmmmmmmmmmm...ho,ho,he,he...strange things are  
happening....HI HI...and the chase goes on...he was on 7.137.25...72 -  
Bruce(VE5RC)

-----

Date: Sat, 06 Dec 1997 03:23:35 GMT  
From: n4js@pobox.com (John Sielke)  
To: qrp-l@lehigh.edu  
Subject: [32045] 160M Contest  
Message-ID: <3488c443.1702095@mail.cyberenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Had a little time before work to try out 160M. Tied the feeders of my 180' zepp together (they are about 60' long), and used my little NN1G SW160. I have, of course, installed a TiCK in t, also.=20

Must be one heck of a potent 2.5 watts, since I got NOTHING but 599 reports! These contests are good for the ego! Anyway, this was the first I had gotten to really try out this little rig since I built it in July. Works great. Wish I had more time to play.

=20  
/\_\ /\_\ /\_\ /\_\ John L. Sielke n4js@pobox.com n4js@qsl.net  
( N )( 4 )( J )( S ) NJ Grid:FM29LN <http://www.qsl.net/n4js>  
\\_/\_\ /\_\ /\_\ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86  
G-QRP #9544 NorCal #1989 CQC AKQRP QCWA FISTS #2781

-----  
Date: Fri, 5 Dec 1997 22:25:08 EST  
From: KF4EIB <KF4EIB@aol.com>  
To: qrp-l@Lehigh.EDU  
Subject: [32046] A "FIST" FULL OF Thanks!!  
Message-ID: <73a5d953.3488c596@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

I am really grateful to all that have taken the time to send me info about FIST.

The response was more than I would have ever expected! Just proves what a GREAT group of people can be found in this hobby!

I have requested more info from the FIST group by e-mail.

Again....many,many thanks to all with your response.

72 / 73 KF4EIB Gordon

May the frequency be with you!!

-----

Date: Fri, 05 Dec 1997 22:48:15 -0800  
From: astone@erols.com  
To: qrp-l@Lehigh.EDU  
Subject: [32047] Low Power Attenuator Question  
Message-ID: <3488F52F.CC3@erols.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Gurus:

I was looking for an attenuator circuit that would provide 100-130db of attenuation to permit me to measure receiver MDS. Found a circuit in my 1987 handbook (pg 25-43) and also in Solid State Design. The description of the circuit in the handbook stated that "The maximum attenuation of any single section is limited to 20 db because leak-through would probably degrade the effect of higher attenuation sections and result in inaccuracy." My question concerns the notion of "leak-through." My preference would be to build the circuit with more than 20 db of attenuation per section in order to simplify things and also avoid shielding between attenuator sections. I assume that leak through would be more evident at higher freqs. (perhaps at VHF and higher) and at higher power levels. Is this the case? How much inaccuracy would result using this at HF freqs. (7 MHz) and driving it with a signal generator that puts out less than .1 W and using let's say 3 40db sections that aren't shielded from each other? Thanks for your help.

72,

Ron (KA3J)  
Bethesda MD

-----  
Date: Wed, 3 Dec 1997 09:40:00 -0400 (AST)  
From: wp4jxd@prtc.net (wp4jxd)  
To: Ryan <ryans@willinet.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [32048] Re: ARRL '98 Handbook  
Message-ID: <Pine.LNX.3.95.971203093559.402A-1000000@pentagon>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Yep, I'm very interested in the group buy. So when you have more info please let me know.

Regards,

Pablo Luis

---

Pablo Luis Robles  
wp4jxd@prtc.net  
<http://www.geocities.com/capecanaveral/hangar/3613>

---

On Fri, 5 Dec 1997, Ryan wrote:

> >Date: Fri, 5 Dec 1997 00:16:29 -5  
> >From: "Bill Kelsey - N8ET - Kanga US" <kanga@mail.bright.net>  
> > [ snip ]  
> >Now back the the regular list stuff. Is anyone intersted in a group  
> >buy of the 1998 ARRL Handbook??  
> >  
>  
> I have seen the 98 Handbook for \$32. Isn't this pretty cheap?  
> It was in my All Corp catalog. They usually have discounts for  
> bulk orders.  
>  
> Ryan  
>  
>

---

Date: Fri, 05 Dec 1997 20:23:30 -0800  
From: Dan Hogan <dhhogan@lightside.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [32049] Re: GM-10  
Message-ID: <3.0.5.32.19971205202330.007a4920@mail.lightside.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Just finished a GM10. It's not in a case yet, but it's a great little rig.  
Went together very easy and the instructions are complete. Dave Benson  
responded promptly to my questions.

t 07:29 PM 12/5/97 -0700, tom whalen wrote:  
>Anyone build above unit and have any comments on it? TNX 72,Tom WB5QYT  
>

>  
>

Dan Hogan WA6PBY  
ARRL-VE, 9 QRP Clubs  
dhhogan@lightside.com

-----  
Date: Fri, 5 Dec 1997 23:23:23 -0500  
From: "Ken Hanks" <kennfd@ibm.net>  
To: <whalen@swcp.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [32050] Re: GM-10  
Message-ID: <01bd01fe\$b09ad520\$bb0f48a6@kh>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Tom:

I built a GM-20 last year. Excellent little rig, very hot receiver, puts out about 3W and covers the bottom 80kHz of 20M. The only mod I made was the addition of a 10 turn pot for tuning.

Dave Benson provides great customer service and the quality of the parts, boards, and instructions are outstanding.

Usual disclaimers apply, just a satisfied customer.

73, Ken Hanks K1XS@ibm.net

-----  
Date: Fri, 5 Dec 1997 20:57:00 -0600  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: wr.moore@worldnet.att.net  
Cc: qrp-1@lehigh.edu  
Subject: [32051] Re: KS4L Fox Log  
Message-ID: <M2347248.010.r4bmd.1.971206045508Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

Randy:

Really tickled to have been your first QSO as Fox Thursday night.  
Only comment on your log entry is first character of my call is N, not W.  
Thanks for being our Fox, Randy.

72, Bob N6WG and Ol' Kenwood

-----  
Date: Fri, 5 Dec 1997 21:36:00 -0600  
From: Bob Tellefsen-CNSE97 <Bob\_Tellefsen-CNSE97@email.mot.com>  
To: qrp-l@Lehigh.EDU  
Subject: [32052] Re: FOX:"The Tale Of The Christmas Fox"  
Message-ID: <M2347249.011.r4bme.1.971206045508Z.CC-MAIL\*/OU=LMPCC4/OU=ILBB/  
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Ed:  
Really nicely done.  
Ol' Kenwood sends his compliments and a wag of the ol' tail.  
72, Bob N6WG and Ol' Kenwood

-----  
Date: Fri, 5 Dec 1997 22:01:12 -0600  
From: "Marshall Emm" <mgemm@emtechnologies.com>  
To: cqclist@lists.csn.net, qrp-l@lehigh.edu  
Subject: [32053] CQC Coffee Mugs  
Message-ID: <199712060503.WAA18904@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Coming soon-- the perfect Christmas present for the CQC member-- an  
attractive ceramic coffee mug bearing the CQC logo and motto  
("Life's too short for \$800 finals.")

The imprint is white, on both sides, and you get  
your choice of four colors for the mug-- black, green, maroon, or  
yellow.

To order your CQC coffee mug, send a check or money order to:  
Colorado QRP Club  
PO Box 371883  
Denver CO 80237-1883

Please indicate your first and second choices for colors, and whether  
you want the mug mailed or will pick it up at the January meeting.



Price is \$6 per mug, plus \$3 s/h (mugs will be shipped Priority Mail)

-OR-

Get the complete set of FOUR different colors for \$20 plus \$7 s/h.

The mugs should be arriving in Denver on the 15th, so there is just time to get them before Christmas, if all goes according to plan. We have 500 members now, and are ordering 144 mugs (we can get more later). You do the arithmetic-- they may or may not be available at the meeting. And in any case, the sooner you order yours, the better your chance of getting the color you want!

73

Marshall Emm

N1FN/VK5FN

n1fn@mtechnologies.com

Milestone Technologies

Software, kits, tools...

<http://www.mtechnologies.com/mthome>

(303)752-3382

--

-----  
Date: Sat, 06 Dec 1997 00:25:22 -0500  
From: Stephen Trier <sct@po.cwru.edu>  
To: astone@erols.com, qrp-l@Lehigh.EDU  
Subject: [32054] Re: Low Power Attenuator Question  
Message-ID: <3.0.1.32.19971206002522.00941100@pop.cwru.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Ron,

There will always be coupling from the input wire and resistor of an attenuator stage to its output wire and resistor. That's what the handbook calls "leak-through". The amount of signal coming from leak-through is small. I'd guess it's between 30 and 100 dB less than the input signal, depending on how the attenuator stage is built. If one limits each attenuator stage to 20 dB, the leak-through won't dominate, but if one tries for very high

attenuation, the leak-through may be larger than the output signal you want, making the attenuator useless.

The "leak through" will be bad between any components within one shielded section, but shielding blocks it. Thus, each attenuator stage needs to be shielded from all the other stages for this "divide and conquer" strategy to work.

I think shielding is why commercial attenuators cost so much money. Machining and assembling something with lots of little metal walls has to be very expensive.

Stephen

--

Stephen Trier KG8IH  
sct@po.cwru.edu

-----  
Date: Fri, 5 Dec 1997 09:07:12 -0800  
From: "Frank A. West" <ke6vhm@earthlink.net>  
To: <resmith@primenet.com>, "Low Power Amateur Radio Discussion" <qrp-  
l@Lehigh.EDU>  
Subject: [32055] Re: PIXIE 2 Kits...  
Message-ID: <199712060709.XAA10909@germany.it.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Try calling the 800 # it is free and you will be able to talk to a human.  
You wouldn't want to send your credit card # over the e-mail system anyway.  
Would you?

If you need the number let me know.

Normal disclaimer, just a satisfied customer.

TTFN 73 Frank KE6VHM  
Grid Square DM13  
Woodcrest, CA  
QRP-L #1323 / AK/QRP #269  
ICQ UIN# 1778080 ASK ME!!!  
CW Forever - Have Paddle will Pound  
ke6vhm@earthlink.net

> From: Ron Smith <resmith@primenet.com>  
> Subject: Re: PIXIE 2 Kits...  
> Date: Friday, December 05, 1997 7:44 AM  
> Gang, there is always a down side...  
> In the past month I have sent a total of FOUR e-mails to TWO different  
HSC  
> Electronics stores via the e-mail address on their respective Web pages.  
To  
> date, I have had NO response to any of my messages. IMHO, any business  
that  
> has a Web site and doesn't bother to reply to e-mail sent to the e-mail  
> address they provide doesn't deserve any more of my time or money. What  
a  
> shame, the information I am reading indicates they have just what I'm  
> looking for -- but, no service, no buying.  
>  
> Ron Smith  
> -----  
> Amateur Radio Callsign: KD7VD  
> Southwest Idaho  
> E-mail: resmith@primenet.com  
> QRP-L #1291

-----  
Date: Fri, 5 Dec 1997 09:09:56 -0800  
From: "Frank A. West" <ke6vhm@earthlink.net>  
To: <n6mm@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [32056] Re: PIXIE 2 Kits...  
Message-ID: <199712060709.XAA10924@germany.it.earthlink.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

I received my two a week after the order. I guess anyone can run out .  
EH?

TTFN 73 Frank KE6VHM  
Grid Square DM13  
Woodcrest, CA  
QRP-L #1323 / AK/QRP #269  
ICQ UIN# 1778080 ASK ME!!!  
CW Forever - Have Paddle will Pound  
ke6vhm@earthlink.net

-----

> From: Harvey D. D. Hetland <n6mm@earthlink.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
> Subject: Re: PIXIE 2 Kits...  
> Date: Friday, December 05, 1997 4:12 PM  
>  
> Regarding HSC, I telephoned them about one month ago and they were out  
> of stock on the Pixie kits. I put two of them on backorder (which made  
> their minimum order), but I have not received them as of the current  
> date.  
>  
> 73, Harvey, N6MM.  
>

-----  
Date: Fri, 05 Dec 1997 23:15:12 -0800  
From: Monte Stark <ku7y@sage.dri.edu>  
To: kq0i@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [32057] Re: Fox schedule  
Message-ID: <3488FB80.20E6@sage.dri.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi Mark,

I show the same time, but didn't hear a peep out of the fox tonight.  
Lots of qrm, but no fox to be found in NV tonight.

Back to 160m.....

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M  
QRP QRCI #8829-----NorCal #330-----QRP-L #17-----ARS #49  
AR QRP #150-----DM09cg-----New Washoe City, NV

-----  
Date: Sat, 6 Dec 1997 11:31:13 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: henmel@postoffice.worldnet.att.net  
Cc: qrp-1@lehigh.edu

Subject: [32058] Re: Best way to de-flux circuit boards?  
Message-ID: <199712061131.LAA14452@chuck.dallas.sgi.com>

Norm,

Of course I remember you. :-)

We all who have been on the list love these little tidbits on topics that come up aperiodically. We know that the topic of board cleaning will go on and on and ..... Just like the pink bunny. :-)

I use Kester Organic Core Alloy SN63PB37 0.031 diameter Core 66 solder Flux "331". It is water soluble, doesn't smell, and warm water (this will start the discussion again about cold vs. warm) and an Oral B (tm) soft 40 count bristle brush. Just hope I remember not to use the brush for teeth. :-)

Haven't had a rig that I built using this procedure fail in any manner. When you really really get down to it HBers, kit or otherwise, I think we all are kinda amazed everytime we work someone on the air with something that we personally put together with loving care. We haven't done anything different than others that have gotten the same amount of power doing the same thing, it's just the pride in having 'been there, done that' in actually putting the base, collector, and emitter of a transistor in the right orientation and not having the 'smoke detector' go off when it is powered up. ;-)

A clean rig is a good rig.

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Sat, 6 Dec 1997 12:30:32 GMT  
From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: ryans@willinet.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [32059] Re: ARRL '98 Handbook  
Message-ID: <199712061230.MAA14585@chuck.dallas.sgi.com>

Ryan et.al.,

The December issue of QST shows that the new Handbook is only \$32 and is the 75th Anniversary Edition. The 1996 Handbook and 1997 Handbooks were \$38. Anyone notice that in 1997 the ARRL added "The Standard in Applied Electronics and Communications" phrase to the front cover? I knew you did.

I personally believe that the \$32 price is a bargain. There is more information in there than anyone will ever read. Has anyone in recent years read the book from cover to cover? :-)

The ARRL has longer than anyone supported QRP operation with projects in the Handbook and a number of additional books on QRP. And I have always believed that every ham, especially QRPers, should own at least one copy of the Handbook and probably should buy a new one once in a while to keep up. And you keep the old ones to keep up with the parts that you get that have been discontinued over the years. :-)

And since I'm in this area, let me add a couple of items.

Thanks to Brad Mugleston, KB0ROL, for the nice article in the Dec QST on the foxhunt. I really liked the K6BJH cartoon. :-) Brad really laid it on the line when he said "a lot of people who participate in the hunt can easily rag chew at over 40WPM, they'll slow down to match your speed". :-)

In the same issue is another article on "A Computer Keyboard CW Encoder" by Ron Alspaugh, W6NKS. I sent him email but haven't heard back yet. The first person to build one let us know. I'm particularly interested in RFI generation as I made a big mistake a few years ago when I parted with my Heath SuperPro keyboard. A real big mistake on my part. The MFJ board is really bad on 30M RFI and I haven't gotten a solution yet. I am just hoping that this may be it. I've always been able to receive faster than I can send and I want a solution to that problem.

FYI

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Sat, 6 Dec 1997 12:42:51 GMT

From: adams@chuck.dallas.sgi.com (Chuck Adams)  
To: sct@po.cwru.edu  
Cc: qrp-1@Lehigh.EDU  
Subject: [32060] Re: Low Power Attenuator Question  
Message-ID: <199712061242.MAA14627@chuck.dallas.sgi.com>

Stephen et.al.,

FAR Circuits (see their web page starting at the NorCal site)  
has a kit made up of precut double sided PC board already  
drilled and square holes cut for the slide switches.

I bought one at Dayton but haven't assembled it yet as I was  
very lucky and picked up an attenuator at Livermore on one of  
the trips to the NorCal meetings.

I want to say the price was about \$8, but don't quote that to  
Fred. Go get the actual price from the web site. I can't  
surf from the house right now.

I'm sure the price is well worth the time and effort to cut  
and drill and file to get the pieces correctly assembled.  
Not to mention the trouble to round up the PC board.  
Darn I wish I had my camera back. I could show the board  
set to you.

Again, FYI

Chuck Adams K5FO CP-60 adams@sgi.com  
<http://reality.sgi.com/adams/index.html>

-----  
Date: Sat, 06 Dec 1997 08:15:44 EST  
From: n3aaz\_qrp@juno.com (N3AAZ - John)  
To: qrp-1@Lehigh.EDU  
Subject: [32061] POSITIVE encumbrance  
Message-ID: <19971206.091407.5199.2.n3aaz\_qrp@juno.com>

... in response to a recent post...

...but read on about my "all" band vertical antenna that is very easy to  
mount  
AND "adjust"...

POSITIVE encumbrance (ordeal of the MFJ-1796...)  
Yes, I too had a bad start with the MFJ-1796.

Now, WOW! Good antenna!

Mine was located in the attic, mounted horizontal, subsequently  
mounted vertical outside on a....  
tripod  
an extension ladder  
and a fifth wheel (RV-trailer)  
....all worked fine.

Like all neat "stuff" I find there is a trick....  
remember this antenna is RESONANT  
and  
on some bands one inch equals approximately bunch of k Hz s.

"The normal resonant frequency of this antenna is AT OR BELOW the BOTTOM  
of each band"

NOW the trick, which I read past several times in the manual...  
...Always start tuning on 40 meters and adjust each band progressively  
higher in frequency...  
...ALWAYS WORK FROM THE BOTTOM BAND UP...

My primary use for this antenna was RVing,  
it adapts very well to the ladder rack of a 5th wheel...

My primary base station antenna is the 102 foot G5RV  
and no the MFJ-1796 does not out perform it on 40, 20 or 15,  
....however,  
the MFJ-1796 does not require a tuner on any band....  
AND the MFJ-1796 is OUTSTANDING on ten, six and two.

NOW while on the subject of vertical antennas...  
let me tell you about the one I like best  
and why:

IT WORKS ALL BANDS 40 and up  
it is a base station...  
and a  
MOBILE in motion > on truck OR trailer <  
(and with a loading coil probably an 80 meter too...but not tried yet...)

Size 102 inch whip

Cost \$15 (Radio Shack fiber glass OR stainless steel)

Mounting vertical or horizontal (\$10 Radio Shack 21-937 Mirror/Luggage  
Rack Bracket )  
and that includes the feed through/adapter and the PL?? connector..



This antenna requires an electrical counterpoise...such as...

...the king pin box on a 5th wheel trailer or  
load bed of a pick up truck  
using the Lakeview Co (800-226-6990) mag mount

...or an aluminum extension ladder, vertical outside or (horizontal in  
the attic)

...a water pipe in the attic using the Radio Shack 21-937

...a rain gutter using the Radio Shack 21-937

... truck mirror using the Radio Shack 21-937

... high rise balcony railing using the Radio Shack 21-937

A tuner is required...

and for MAXIMUM efficiency a tuner such as the MFJ-16010 (\$40) or  
equivalent\* PS\* can be mounted in a plastic container at the base of the  
antenna.

I use the MFJ-971 QRP tuner located next to the transmitter  
and feed with RG-59U....  
.... OUTSTANDING results!

\*PS\* Look at fig.1b, page 21, in "73" for very nice, small, outside  
weather proof, QRP tuner diagram.

72/73

-jk-  
N3AAZ

My MFJ-1796 Vertical Antenna measurements:

7.04 M Hz is 1:1 by using four (22 inch) spokes on top,  
and six (20 inch) spokes on bottom...

14.04 M Hz is 1:1 also by using four (11 inch) and two (9 inch) on top,  
and six (11 inch) on the bottom.

21.1 M Hz is 1:1 using four (11 inch) top and bottom.

My 10 meter operation is SSB freqs using two (13.5 inch) and two (14.5  
inch) top,  
and four (11 inch) bottom....

Remember the manual "suggests" that for maximum bandwidth the top and bottom loading assembly should not be equal or identical.

Six and two meters is no problem at all.

-jk-

-----  
Date: Sat, 06 Dec 1997 08:17:42 -0500  
From: "HB Electronics (Bob Berlyn)" <hb\_elec@ids.net>  
To: qrp-L@Lehigh.EDU  
Subject: [32062] CIRCAD Help  
Message-ID: <3.0.1.32.19971206081742.0077fb10@mail.ids.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Greetings,

For those of you that are interested the Holophase (CIRCAD) website is at, there is a FAQ on Compuserve.

[www.holophase.com](http://www.holophase.com)

You can down load a trial copy of circad, its fully functional except for the size of the file that you can save, as I remember.

A Ham Radio version is available from Dover Research (612-492-3913) or E-Mail 73016.27@compuserve.com.

The ham version is the same as the commercial version except the tech support comes from Dover and the component libraries are the standard ones, for about \$300.00.

I have found the people at Dover Research and Hollphase to be very nice. Holophase even upgraded my version of Circad for nothing. They tell me they are working on a Win 95 and NT version.

As you can tell I like the software, but I have no connection with Dover Research or Hollphase, just a satisfied customer.

72's es hoped this helps

Bob N1PWU QRP-L#161 East Greenwich, RI

-----  
HB Electronics  
E-Mail: hb\_elec@ids.net  
On The Web: <[http://users.ids.net/~hb\\_elec/](http://users.ids.net/~hb_elec/)>

-----  
Date: Sat, 06 Dec 1997 07:38:47 -0600  
From: "Junius B. Fox" <w5hir@mail.phoenix.net>  
To: qrp-l@lehigh.edu  
Subject: [32063] re: ARRL handbook 1998  
Message-ID: <3.0.1.32.19971206073847.0089aa50@mail.phoenix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Notice the huge volume on mobile operations

regards,

Foxy  
w5hir@mail.phoenix.net

"success is recognizing a dead horse and burying it with the least ceremony"

-----  
Date: Sat, 6 Dec 1997 09:53:33 -0500 (EST)  
From: Bob Patten <n4bp@shadow.net>  
To: QRP-L Reflector <qrp-l@Lehigh.EDU>  
Subject: [32064] N4BP Notes on K8FF (NorCal) Paddles  
Message-ID: <Pine.SOL.3.96.971206094618.24476A-100000@viper>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

K8FF Paddles - Tricks learned during assembly of two - From the ground up:

There isn't room for the rear feet on the corners of the base. I took my trusty Swiss Army Knife and cut the tapered edges off two sides of each rear foot. They then fit nicely. I needed all four feet on the corners for maximum support since I slap the thing around pretty hard.

I used shielded audio cable for the wiring. It was just fat enough so that the nylon clamp hit the table before all four feet, causing it to rock. I carefully ground a flat on the nylon clamp so that it would clear the table.

Don't understand all this hulabaloo about sanding the base to a mirror finish

before painting. I simply cleaned them up with soap and water and sprayed two coats with a can of white Rustoleum that the XYL had bought to paint a wicker chair. The slightly irregular surface of the metal then takes on a slightly wrinkled finish and almost looks like marble. Aside from drying them overnight in my locker at work, finishing the base took all of ten minutes.

Polishing the brass parts took a little longer. I probably spent fifteen minutes with each set and a piece of 400 grit sandpaper. Looks good to me...

My magnets pressed in nicely with a vice. No special tricks / glue needed.

The plexiglass paddles took the longest. I first cut a diagonal with a hacksaw (mine were the infamous square ones), then used a grinding wheel to bring them down close to the size I wanted. Then I used 100 grit sandpaper for the final shaping including rounding of all edges. 400 grit sandpaper did the final polishing and, I think, made a nice looking finished product. Probably spent an hour on each set.

Several people complained of the wide spacing of the paddles. Someone even went to the trouble of machining brass pieces to reduce the spacing. Although probably not quite as pretty, I solved the problem in under a minute (Yes, it was a big problem for me, too. I could only grip the outer edges of the plastic to run the thing). Simply remove the left plastic paddle and screw it to the other side of the arm. What could be simpler! While no longer symmetrical, I don't think it hurts the beauty of the thing. The spacing ended up identical to my Bencher that I've been using for many years.

The above opens up another possibility. For those of you like me who cannot send on an Iambic paddle, It can now be made non-Iambic! The screw head on the inside of the left arm is so close to the right arm that the spacing adjustments at the points can now be set so that both contacts cannot be closed at the same time (non-Iambic). I haven't finished playing with this concept yet. Interestingly, I am able to send with few errors on this thing while I have had major problems on other Iambic paddles.

One final note: The slop in the bearings was discussed on QRP-L. I agree with K1MG and others that it is NOT a problem. In fact, I ran into trouble trying to fix one of the four bearing that I thought was too sloppy. I gave each end a few spins on my 400 grit sandpaper and ended up taking off too much! Not to worry, I gave the bottom of the arm a few spins also and ended up back where I started. The point: If you do try to reduce the slop and take too much off a bearing, no need to order another. Just sand an equal amount off the bottom of the arm to regain your clearance.

I like these paddles! One will sit at a second operating position in the shack (for the new IC-706 MKII). The other will remain in the car when I take the 706 mobile. I've had sufficient time to find that I can send on either

paddle comfortably and with a minimum of errors. During one QSO, I gradually worked up to 30 WPM and was still able to send reliably.

73,

Bob Patten, N4BP

( 0 0 )

Plantation, FL

-----o00o-( )-o00-----

E-Mail: n4bp@shadow.net

Web Page: <http://www.shadow.net/~n4bp/n4bp.htm>

Brass Pounder BBS: (954) 472-7715

-----  
Date: Sat, 6 Dec 1997 10:21:03 EST  
From: MNHopkins <MNHopkins@aol.com>  
To: QRP-L@lehigh.edu  
Cc: kbritain@johnstontech.com  
Subject: [32065] Hayward, W7ZOI on 30M, Elmering  
Message-ID: <e0e075ab.34896d61@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

When I asked if there might be 30M information for the Universal Transmitter from Solid State Design for the Radio Amateur, I hardly expected a response from the author, Wes Hayward, W7ZOI. As his e-mail is valuable both as to the transmitter and as a testimony about Elmering, I asked and recieved permission to post it generally:

Subj: 30 meterUniv.TX  
Date: 97-12-05 01:45:10 EST  
From: w7zoi@ (Wes Hayward)  
To: MNHopkins@AOL.CO

Mike,

Regarding your posting, appearing in QRP-L Digest 929.  
[31933] DeMaw Univ. TX QSY to 30M?

The present version of SSD is no different than the original one from 1977 except that many typos have been corrected. None have 30M information for the Universal Transmitter. The present version of SSD is an up-to-date printing, but is not a new edition. That will be coming eventually.

The Universal TX was a beginners rig that evolved out of the earlier "Milligallon for 15," QST, April 68. For SSD we decided to do them for all HF bands. We also tried to include enough information in the text of SSD to allow someone to design one of their own. That was the intention anyway.

Try 50 pF for C2. That should produce about the same response as the other bands. The tuned circuit in the output of the oscillator can be scaled linearly. Hence, the inductance for the 40 M version is about 6 uH. (35 turns squared x (5 nH/turn squared.)) Moving in F, the L would drop to  $(7/10) \times 6\text{uH}$  or 4.2 uH. That comes out to 29 turns on a T50-2. That resonates at 10.1 MHz with 59 pF, so a 90 pF trimmer would be just fine. A 3 turn link would be fine. The output network is just a pi with a Q of 1 and 50 Ohms in and out. This has the familiar design formula of  $X_L = X_C = 50$ , so  $C_3 = C_4 = 315$  pF. Values of either 300 or 330 would be fine. The inductor is 788 nH which is about 13 turns on a T50-2. The builder can scale the inductors to any other convenient core that he or she has around. R1 is probably around 47 Ohms. You can get a cheap crystal from Dan's Small Parts.

There should be no problem in getting the rig going. All of them seemed to turn on without problem. A few of the originals are still kicking around in the junk box, although others have been junked for parts.

I've often had the experience that you had where a beginner comes to the shack or calls, wanting to build one thing or another. We usually make arrangements to get together. When we do, we go through the design, with slight redesign if needed to fit the components that are on hand. I then send them off with a handful of parts with the thought that they will return in a few days so we can turn the rig on to check it out. In the case of something as simple as the Universal transmitter, this often never happens. Instead, the more typical result is that I get an enthusiastic call in a couple of days where the builder exclaims "Hey, it works, and I worked three states with it last night." In the case of more elaborate projects, it may take a while longer.

In any case, this is a really fun way to play this game. The chance to find a beginner with enough enthusiasm to ask a question is a rare treat these days. It's great fun to jump in and to help them build their own homebrew rig. What a wonderful way for your friend to get started. Why don't you give it a shot and report your experiences to the QRP-L gang. 73, Wes, W7ZOI.

\*\*\*\*\*And I will do just that. Before I read Wes's e-mail I worked out the 30M values for myself using the ARRL Data Book and the Amidon flyer. I converted the coils and caps to inductive and capacitive reactances at 40M and used those Ohmic values to calculate new values for 10.125 mc. Wes and I were not more than one turn of wire or 5 pf apart, but there is a crucial

difference: It took me 90 min of algebra to learn values Wes apparantly figured out in his head as he typed. I would appreciate an article from Wes or someone about scaling circuits for other frequencies.

The 30M parts were all in my stuff and, with a HB board from a brother member of Nortex QRP, it is off to get someone on 10 mc with HB gear.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com G-QRP #669

-----  
Date: Sat, 6 Dec 1997 09:25:16 -0600  
From: "William R. Moore" <wr.moore@worldnet.att.net>  
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [32066] Re: Palmtop Computers  
Message-ID: <01bd025b\$27ef0fe0\$LocalHost@wrmoorerpc>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Office Depot was sold out of these at my QTH, but found a source on the web that has the C120+ for \$95. Placed an order, but not certain that they are in stock. The URL is <http://www.cmpexpress.com/> Search for Vendor COMPAQ and Product C-120+ but check the radio button that does NOT search from the beginning (I've forgotten the exact phrasing of the radio buttons, but you'll figure it out).

These little computers were selling for over \$600 MSRP.

72,  
Randy, KS4L

-----Original Message-----  
From: John W. Stevens <stevensj@sound.net>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Date: Friday, December 05, 1997 8:18 AM  
Subject: RE: Palmtop Computers

Hi All,

Take a look around your Office Depot stores for the COMPAQ C-140 or C-120+ Palmtop computers. These are Windows CE machines identical to the Casio A-11 on sale for \$99 and \$140 respectively. Supplies were VERY short. Hope you get lucky. These are excellent buys! The C-120+ has a 14.4K PCMCIA modem with it. I sure like mine...

72 John W. Stevens K5JS

-----  
Date: Sun, 07 Dec 1997 00:34:06 +0900  
From: Hidehiko KOMACHI <ja9mat@nsknet.or.jp>  
To: "gqrp-l@blacksheep.org" <gqrp-l@blacksheep.org>, "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>  
Subject: [32067] Update my website  
Message-ID: <3489706D.27A86E99@nsknet.or.jp>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=iso-2022-jp  
Content-Transfer-Encoding: 7bit

Dear friends...

I added 3-photos of R2 receiver from Kanga US.  
It is working well, but has a problem in AF-Amplifier  
Oscillation (9MHz Oscillation - suggested by Bill..Kanga US)  
I hope to fix the problem and will updated again to my site  
near future!  
Please enjoy. 72.

--  
\*\* de,JA9MAT,Hidehiko KOMACHI,E-Mail;ja9mat@nsknet.or.jp \*\*  
W.W.Web.Site;http://www.nsknet.or.jp/~ja9mat/Index.htm  
Member of JA-QRP#036,G-QRP#9128,Alaska-QRP#025,QRP/L #761...

-----  
Date: Sat, 6 Dec 1997 09:51:40 -0600 (CST)  
From: Bruce Rattray <rattrey@gpfn.sk.ca>  
To: Low Power Group <qrp-l@Lehigh.EDU>  
Subject: [32068] Canada Mail Strike  
Message-ID: <Pine.SOL.3.91.971206092035.14824A-1000000@GPFN1.GPFN.SK.CA>



MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

themailstrikeisover,themailstrikeisover,themailstrikeisover...yahooo!...  
FINALLY!  
...first mail delivery yesterday....hurray!....nothing but bills!?!...  
boooooooooo!....  
....wait a minute....Customs at Calgary have been holding onto my NorCal  
Paddle Key kit forever in their BIG  
"no-one's-allowed-in-here-vault-because  
-everything-in-here-is-secret-and-therefore-no-one-can-ever-get-anything  
- from-it-because-it's-secret-and-no-one's-allowed-in-here".....  
...first I get a letter from Customs saying my paddle's  
arrived....wonderful!...hop in the car...drive downtown to Customs  
building...plug the meter with money...run into the building....what's  
this?...they're not here!...what?...quickly run up and down the  
street...they're not there!....what?...run into the Provincial Court  
House...ask anyone...oh, yeah, I think they moved down by the City  
Hall...oh you mean the Revenue Canada building?....could beee...try to  
get money out of meter...policeman eyes me...I smile....get into  
car...drive 2 blocks south....park....plug more money into meter....run  
into Revenue Canada building...looking at Bulletin Board....breathing  
hard...third floor!....saved, there's an elevator...walk up to Customs  
counter quickly....musn't run....Custom lady....hello, may I help  
you?...yes I have a letter from Customs saying my paddle's in and I must  
produce an invoice with a description of all the parts....yes that's  
right...but I won't get an invoice....I just sent a postal money order in  
US funds and that's that....hmmmmmmmmmm.....BUT I did download a  
complete description of the kit, pictures included....oh well this will  
do nicely; just send it to them....ppppaaaauuuuuuuse...blank look on my  
face as I see my paddle slipping away into the blackness...."to  
them?"...yes sir, this letter came to you from Customs at Calgary...you  
see sir all postal matters from the US arrive at Calgary....Calgary then  
sends them via mail to your nearest Post Office; ok?....ok....walk to  
car...well I'll just mail a copy of everything with a covering letter  
....OH NO!....THE POSTIES JUST WENT ON STRIKE TODAY!!!!!!  
...aaarrrrrh!...this has to be a nightmare.....wait a minute...look at  
the letter again....AHAW!....they have a FAX number....heh,heh,heh  
victory shall be mine!....ok make cover letter...who sent this to  
me?...it's signed "Liz".....Liz!?!?!....Liz  
who?...what the heck is going on here???....Liz?.... ok,ok...don't panic  
Bruce...I'll play their little governMENTAL game....ok, LIZ, right back  
at 'cha...."Dear Liz"....heeheeheehee....faxed her EIGHT pages with ALL  
the information including what the base smells like, how one can sharpen  
ones fingernails on the side, how many fingerprints the base will hold,  
the height at which to hold the base, drop it and produce a broken  
toe...yeah, I'll play their LITTLE game!!!!....there ya go Liz!...  
hahahahahahahahahahahahahahahahaaaaaa.....

...no, I still don't have the paddle.....with bowed head 72.....

HO,HO! Merry Christmas!....Bruce (VE5RC)

e-mail: rattray@siast.sk.ca

-----  
Date: Sat, 6 Dec 1997 11:01:06 -0500  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
To: "QRP-L Internet QRP Club" <qrp-l@lehigh.edu>  
Subject: [32069] Foxes; ARRL 160 Test; ARCI Test  
Message-ID: <01bd0260\$2928d620\$3a4ecd80@madams2.facilities.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

No foxes from this past week were heard here in WNY. A black hole as usual. In fact, the pileups were not even audible. Just heard a few reports going to the fox. Nothing more.

For some unknown reason, I popped the 160M module into my Cubbie last night and WOW, what a ton of signals! So I tied the 80M dipole (up only 30') feeders together, jammed'em into my tuner, and away I went with 5W to amass 70 Q's in 26 sections in about 2.4 hours. I worked every station I could hear! Can't wait for tonight to do it again. 160M is a fun band. I can imagine how it is with a full size antenna.

I hope everyone is making time for the ARCI test Sunday!

72, Mark N2VPK  
Member of the Buffalo QRP Connection

-----  
Date: Sat, 6 Dec 1997 08:36:41 -0800 (PST)  
From: kd7s@psnw.com (Bill Jones)  
To: qrp-l@Lehigh.EDU  
Subject: [32070] Another W7ZOI "Universal Transmitter" Experience  
Message-ID: <199712061636.IAA07732@sierra.psnw.com>

Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Friends,

I've been reading Michael Hopkins discussion on moving the "Universal Transmitter" to 30 meters. I recently built another version of Mr. Hayward's "Universal Transmitter" as featured in QST for September, 1981 as well as in "QRP CLASSICS."

My purpose in building this simple transmitter was to do some milliwattting. I made several changes to help in this respect. The crystal oscillator was changed to a "Super VX0" using a pair of 7.040 MHz crystals and a couple 10 mH r.f. chokes. The tuning range is about 18 kHz. A simple r.f. probe was built into the transmitter so I could attach a DVM directly for power measurement. I included a manual T/R switch as well.

When connected to a variable power supply I can adjust the transmitter output power from just over 500 mW to as little as 1 mW -- or anything in between. I called CQ this morning (Saturday, December 6th) while running 84 mW and received a call from WB6OLL who is 169 miles away. We chatted for about ten minutes. I calculated this to be just over 2,000 miles per watt. The transmitter keying was textbook perfect and the SVX0 stayed right on frequency.

Tomorrow, (Sunday) I have a schedule with my good friend Lee, K7QD, in Nampa, Idaho (497 miles) who also built this transmitter. We are shooting for a 2-way QRPp to QRPp QSO for 50,000 miles per watt -- maybe more if we can make it.

So, if you're interested in building a super simple little transmitter that really works, look at Wes Hayward's designs.

=====  
Bill Jones - KD7S <><  
Sanger, California  
Reply to kd7s@psnw.com  
=====

-----  
  
Date: Sat, 6 Dec 1997 11:43:32 EST  
From: ARDUJENSKI <ARDUJENSKI@aol.com>  
To: qrp-1@Lehigh.EDU  
Subject: [32071] KB7MBI FOX HUNT SCHED  
Message-ID: <806e13c2.348980b6@aol.com>  
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

SAT NITE: 1600-1700 PST (0000-0100 UTC SUNDAY 07 DEC) 7.115 or 7.14 If conditions are good I will continue for another hour.

SAT NITE SPECIAL

HOWL AT THE MOON SPECIAL: 2300-MIDNITE (0700-0800 UTC SUNDAY) 7.115 or 7.14

SUNDAY NITE: 1600-1700 PST (0000-0100 UTC MONDAY 8 DEC) 7.115 or 7.14 NOTE ONE HOUR ONLY!

ALAN KB7MBI

-----  
Date: Sat, 6 Dec 1997 11:51:26 -0500  
From: mjmullins@dow.com  
To: <qrp-1@Lehigh.EDU>  
Subject: [32072] FOX schedule and etiquette?  
Message-ID: <199712061651.AA05093@na3.dow.com>

Mike Burger wrote:

>Subject: [32020] foxes

>Message-ID: <9712052110.AA02778@krypton.nmr.Hawaii.Edu>

>

>Who is in charge of assigning foxes? Who might have the list of future  
>foxes that are scheduled and other info on foxhunting?

I'm a new ham, and I have the same question. Would someone be so kind as to post this information or E-mail me directly? Thanks.

-----  
Date: Sat, 6 Dec 1997 21:50:17 -0700  
From: gsurrency@juno.com (Gary Surrency)  
To: adams@chuck.dallas.sgi.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [32073] Keyboards  
Message-ID: <19971206.215018.10230.0.gsurrency@juno.com>

I have just received two PC boards from FAR Circuits for the keyboard in December's QST. I'm still waiting for the uP from the author, who lives in California. I sent for two uP's from him last week, so I hope I get them soon - maybe next week. Perhaps he has been overwhelmed by the requests for the chip from readers of the article.

I plan to build this small keyboard controller into some rigs I have, since it is so small. The main drawback is the power requirement of the keyboard. Battery operation would be a problem, due to the power demands of most keyboards.

Chuck, I have a MFJ-452x (the one without the factory supplied keyboard) and I don't notice any problems with RFI on 30m. Mine does use a 10Mhz uP crystal, but I don't hear it in the 30m ham band. I don't know which one you have, but mine doesn't cause problems. I have noted that different kinds of keyboards draw different currents, depending on what family of IC technology they use. One keyboard I have draws about 50ma, the other one draws over 200ma. The older one draws the most, as it uses plain old TTL logic, where the newer one uses LS and CMOS logic. Have you tried different keyboards with yours? :-)

I called MFJ this week to ask them some questions about the '452. Mine locks up now and then, certainly not from RF at QRP levels, since it will lock up when I or my 4 yr old type on it while not transmitting. The current ROM rev is still v1.10. I made several suggestions to their tech support rep, Jimmy:

1. Make the paddle dot and dash connections reversible through software. The MFJ452 is the \*only\* keyer I have that has the 3.5mm jack wired for tip dashes and rin dots. And the PCB doesn't lend itself well to rewiring because the traces are tiny. I don't want to use wiring adapters to adapt this unit to my paddles.
2. Enable the number keypad for 0-9 character generation.
3. Increase the memory capacity and buffers. A serial EEPROM is the storage device, a 24C16P. I have not seen larger memories of this type, but if they were available it would probably require a firmware change to access the additional memory. When the keyboard buffer fills, the output gets very slow until memory space is once again available. Surely a software change is needed here.
4. Investigate the reason for occasional lockups. Many people have reported this, so MFJ should not turn a blind eye to these reports. Whether it is software or hardware induced, I don't know. The 10 seconds required for the unit to reset is an eternity during a QSO.

I am still searching for the perfect keyboard, and I have the pi-X unit coming next week to evaluate. Cant't remember the URL, but a search of the Web will uncover it.

If I could find a Heath Ultra Pro, I would snatch it up in a second! ;-)

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

-----  
Date: Sat, 06 Dec 1997 12:26:31  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: Leon Heller <leon@lfheller.demon.co.uk>  
Cc: qrp-l@Lehigh.EDU  
Subject: [32074] Re: Market survey, DDS VFO  
Message-ID: <3.0.1.16.19971206122631.238fafd6@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>>I am building the Rick Campbell KK7B DC receiver QST 11/95 - SPRAT 81/82  
>>One tricky point is the LO phase-splitting network, especially if you look

> Someone I know has proposed using 2 DDSs to  
>get the quadrature signals. I'm not sure if it will work, though.

Yes, this will work, provided both DDS have a common clock. The phase can then be adjusted in one of the DDS's to be 90 degrees off from the other.

With a  
>4 x clock, two flip-flops will generate the quadrature signals, of  
>course. This could be as broad-band as you want, if you can generate the  
>clock.

This might be the best way to go. The DDS can be used as a variable reference to adjust the frequency of a PLL-VCO. If the VCO is in the VHF range and selectable divide-by's used after the VCO, it would take one or two VCO's to cover the HF band. A side benefit is this cleans up the DDS spurs and the /N should help reduce phase noise from the PLL.

Might this be the method used by Tim Ahrens ?

This would best be done as an integrated system, with the uP controller doing the math to get a direct reading digital display.

>With a superhet design, one can use the AD607 mixer/IF chip, which has a  
>built-in quadrature demodulator phase-locked to the IF that can  
>demodulate IFs from 400 Hz to 12 MHz.

>

The AD607 is a really neat "radio on a chip". A very small chip at that. It can detect CW, SSB, AM or FM. I was able to get a sample, which someday I'm gonna have to give a try. The only problem is it may be hard to get in anything less than large production quantities.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Sat, 6 Dec 97 12:27:03 EST  
From: Joel Malman <malman@BBN.COM>  
To: qrp-l@Lehigh.EDU  
Subject: [32075] K8FF/Norcal Paddle  
Message-ID: <199712061727.MAA57056@nss4.cc.Lehigh.EDU>

Folks,

I finished work on my K8FF paddle last night.

"Looks good, Works great" (maybe even 'less filling').

I decided on basic black (QRP+ tone) for the base. Thanks to all who made it happen.

/joel wa1qvm

-----  
Date: Sat, 6 Dec 1997 12:32:09 -0500  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
To: "QRP-L Internet QRP Club" <qrp-l@lehigh.edu>  
Subject: [32076] Need an ARCI Team Member?  
Message-ID: <01bd026c\$e1b98fc0\$3a4ecd80@madams2.facilities.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi Gang,

If anyone wants another team member for the Sprint Sunday please sign me up!  
I'll be on for the full 4 hours. I might even get a decent score :-)

72, Mark N2VPK  
ARCI # 9373

-----  
Date: Sat, 6 Dec 1997 13:08:37 EST  
From: DMRAWSON <DMRAWSON@aol.com>  
To: qrp-l@lehigh.edu (Low Power Amateur Radio Discussion)  
Subject: [32077] Jim Cates/Norcal Paddles  
Message-ID: <18ba575c.348994a7@aol.com>  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7bit

Is there an email address or web site to check on the status of my Norcal paddle order? Sent money a few weeks ago, no paddles yet. Thanks.

DMRAWSON@AOL.COM  
KB8RRG

-----  
Date: Fri, 5 Dec 1997 20:09:05 -0500  
From: Bill Meahan <www@wa8tzg.mi.org>  
To: kc2ke@worldnet.att.net, gqrp-l@blacksheep.org, qrp-l@lehigh.edu  
Subject: [32078] New e-mail address  
Message-ID: <3488a5b3.wa8tzg@wa8tzg.mi.org>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

My e-mail address is changing!!!

Please note that my NEW address is: mwmeahan@rust.net

Sadly, wa8tzg.mi.org will cease to exist on 15-December-1997 after a 9-year run.

Please update your address books accordingly. Thanks!

--

Bill Meahan WA8TZG mwmeahan@rust.net  
ARRL, IMRA, QRP-L(#117), NorCal QRP (#407), G-QRP (#8468), MI-QRP (#M1458)  
All statements herein are worth exactly what you paid for them  
cat: a purr bearing mammal



-----  
Date: Sat, 06 Dec 1997 12:21:19 -0600  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Subject: [32079] Re: Lightening, Grounding, Etc  
Message-ID: <3.0.1.32.19971206122119.006a4f38@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Someone on the list mentioned Polyphaser Corp for Lightning protection info.

I went to their site and found a ton of information.

Go to their site, click on "Striking News", and read the two articles titled "Ham Radio Station Protection".

I can't imagine anyones' shack/tower being protected to the degree they describe, but it gives you an idea of the 'ideal' situation.

Also there's interesting stories about ham installations that got hit and survived (due to Polyphaser devices, of course).

Now let's see....where did I put those ground rods I keep meaning to install?

<http://polyphaser.com/>

Bill Howell  
University of Texas at Austin  
Fine Arts  
Electronic Maintenance  
Austin, Texas  
N5ALO QRP-L #415

-----  
Date: Sat, 6 Dec 1997 11:53:05 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: cqcllist@lists.csn.net, qrp-l@Lehigh.EDU

Subject: [32080] CQC Coffee Mugs Correction  
Message-ID: <199712061852.LAA12199@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Oops!

The four colors available are--  
black, green, maroon, and cobalt blue (not yellow).

73  
Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
Milestone Technologies  
Software, kits, tools...  
<http://www.mtechnologies.com/mthome>  
(303)752-3382  
--

-----  
Date: Sat, 06 Dec 1997 14:17:27 EST  
From: dhlauten@juno.com (David H. Lauten)  
To: QRP-L@Lehigh.EDU  
Subject: [32081] Re: FOX N/T Monday  
Message-ID: <19971206.141958.6695.4.DHLAUTEN@juno.com>

Fox Hunters,

On Monday, Dec 8 from 9:00 -11:00 Eastern (Tuesday, Dec 9, 0200-0400 UTC), I will be the N/T Fox.

I will operate either around 7115 or 7140 depending upon conditions. My rig is an HW-9 operating a 5 watts into a ground mounted 33 ft vertical with 24 band radials.

NOW THE BIG NEWS.....

My local interference has been found and removed. For at least the last two times I was a NT Fox my noise level was hovering at 20 over S-9. Well, a lighting arrestor on a nearby electric pole was hit by lightning and arching.

It is great to have 40 meters again. I hope to hear many of you who have tried without success to work me. I can not wait for the hunt. so, see you then.

72 de David, KF4HAW  
Conway, SC (near Myrtle Beach)

-----  
Date: Sat, 06 Dec 1997 09:44:58 -0800  
From: Dan Hogan <dhhogan@lightside.com>  
To: qrp-1@Lehigh.EDU  
Subject: [32082] 1998 ARRL Handbook  
Message-ID: <3.0.5.32.19971206094458.007ab100@mail.lightside.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK, you can put me down for a 1998 ARRL Handbook.

Dan Hogan WA6PBY  
ARRL-VE, 9 QRP Clubs  
dhhogan@lightside.com

Dan Hogan WA6PBY  
(1)dhhogan@lightside.com  
(2)dhhogan@concentric.net

-----  
Date: Sat, 06 Dec 1997 14:39:04 -0600  
From: "John T. Croteau" <johnc@geekopolis.com>  
To: tentec@contesting.com, qrp-1@lehigh.edu  
Subject: [32083] FS: 20M Band Module for Scout  
Message-ID: <3.0.5.32.19971206143904.00934390@mm.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

For Sale

~~~~~

Brand new, still in ziplock baggie and never plugged in, 20M band module for TenTec Scout/555.

Make a reasonable offer and it is yours.

73,  
John

-----  
Date: Sat, 6 Dec 1997 12:05:25 -0900  
From: John Pendrey <flyfish@ptialaska.net>  
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>  
Subject: [32084] miles and persistance  
Message-ID: <01BD0241.15DD5B00@flyfish.ptialaska.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: quoted-printable

This has to be the most challegning and personally rewarding=20  
hobbie a person could stumble into. In the past two days, I have  
been busy on the SSB side of 20M, (my CW module for my MFJ 9420=20  
is still broke :( =20  
I talked with JA1WXP, JA7QVK, and JA1CG yesterday and was feeling quite =  
good about my efforts with 5W. I was never told about the sounds of =  
disbelief from the qro operators at the other end:))) =20  
This morning, as I was watching the sun rising on the snow covered =  
mountain outside my shack window, (inspiring) I was startled to hear =  
Bruce, VK4AMV calling for the Majestic net. He was not getting any =  
responce, so I decided to attempt it. He answered back after my first =  
call. He was 5X5 and gave me a 2X4. I'll take it, he is in Brisbane, =  
Australia...6662 miles...1332+ miles per watt! So why didn't I do this =  
20 years ago when I first started reading?????? Sure makes these snow =  
and ice covered mornings go by faster. We're going to try again =  
tomorrow. 14.240, 1930Z +/-.

Now my delima...how do I get the 1000 mi a watt cert? I know this was =  
posted in the recent past, I did not plan on being this lucky. =20

This list is the second best thing that I have found with ham radio, the =  
best is the folks on the other end of the key and mike. ;}

Thanks in advance. And thanks for the past words of wisdom, LISTEN, =  
LISTEN, and then LISTEN some more!

John, KL0DB/qrp  
MFJ 9040, 4w MFJ 9420, 5W SSB  
Kodiak, AK

-----  
Date: Sat, 06 Dec 1997 17:27:41 -0500 (EST)  
From: n4js@pobox.com  
To: qrp-l@Lehigh.EDU  
Subject: [32085] 160M Contest  
Message-ID: <XFMail.971206172741.n4js@pobox.com>  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 8bit  
MIME-Version: 1.0

If you want some fun, get on 160. The "big gun" contesters are listening better now. Just got on for about 40 minutes and worked 20 stations in 9 states...with my little SW160. Great fun! (And they all give 599 reports, great for your ego!)

Sent at 17:27:41 on 06-Dec-97

John L. Sielke n4js@amsat.org n4js@pobox.com  
n4js@qsl.net NJ Grid:FM29LN  
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884  
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp  
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

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Date: Sat, 06 Dec 1997 16:31:06 -0600  
From: Wayne Alexander <walexander@wwn.net>  
To: qrp-l@Lehigh.EDU  
Subject: [32086] Norcal Paddles?  
Message-ID: <3.0.3.32.19971206163106.0069bdac@pop.wwn.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I was just wondering about the shipment of paddles? I sent my check on 10-22-97 and still don't have my paddles. Maybe they will be here before Christmas. If anyone knows how the shipment is going let me know. Thanks

73  
KB0PTE  
Wayne

-----  
Date: Sat, 6 Dec 1997 14:32:21 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>

To: n4js@pobox.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [32087] Re: 160M Contest  
Message-ID: <Pine.SUN.3.90.971206143214.2213A-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Sat, 6 Dec 1997 14:35:04 -0800 (PST)  
From: Monte Stark <ku7y@sage.dri.edu>  
To: n4js@pobox.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [32088] Re: 160M Contest  
Message-ID: <Pine.SUN.3.90.971206143259.2213B-100000@vortex>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi John,

Hmmmmm, you must be from back east someplace! Out here there just isn't the ham per mile needed to get a good score on 160m with QRP!

I spend until midnight last night getting 60 Qs. (Did get called by KL7Y and worked one XE) But I'll be back again tonight!

cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

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Date: Sat, 06 Dec 1997 16:35:28 -0600

From: Tom Norris <badger@telalink.net>  
To: qrp-1@Lehigh.EDU  
Cc: bhowell@mail.utexas.edu  
Subject: [32089] Re: Lightning, Grounding, Etc  
Message-ID: <3.0.3.32.19971206163528.02fb0f0c@mail1.telalink.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>  
> Someone on the list mentioned Polyphaser Corp for Lightning  
> protection info.  
> I went to their site and found a ton of information.  
  
> Go to their site, click on "Striking News", and read the two  
> articles titled "Ham Radio Station Protection".

I can attest to Polyphaser's devices!! At work ( Tennessee Emergency Management Agency ) we used to use "plain old" grounded methods. Every now and again we would lose a site to lightning. We started using Polyphaser units on the RF in, the phone lines and the AC and have pretty much eliminated any equipment failures due to lightning. We have had sites take direct hits to the tower or the power lines - knocking conduit from the walls, causing fires in other agencies equipment, etc. the two cases I can recall all we had to do was to replace the surge protectors -- much cheaper than a \$10K repeater!

Another good grounding practice is brazing your ground conductors to the ground rods. Clamps seem to let go after a while, especially if buried. CadWeld is another good method for bonding if you dont want to go the brazing route. Cadweld supplies are usually available at larger electrical suppliers and come pakaged in various forms -- my favorite is the "one shot" designed especially for bonding larger wire to ground rods. Very handy and cheap too!

73 all

Tom

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Date: Sat, 6 Dec 1997 16:27:47 -0600  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: cqclist@lists.csn.net, cw@qth.net, qrp-1@Lehigh.EDU  
Subject: [32090] Key Survey Results  
Message-ID: <199712062327.QAA07889@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

First I'd like to thank everyone who participated. The information gained will be very useful.

There were exactly 70 responses. Not everybody answered every question, so I've based the percentages on the total number responding to each question.

It was interesting to note that while there are clear preferences in size and shape of key knobs, EVERY possible combination turned up at least once!

Thanks again ES 73 DE Marshall, N1FN.

All numbers are percentages.

1. Knob shape:

|                   |      |
|-------------------|------|
| Respondents:      | 98.6 |
| Flat knob:        | 31.9 |
| Round knob:       | 8.7  |
| Round with skirt: | 53.6 |
| Other:            | 5.8  |

Notes: Several responded "d" (other) and said their preference was a flat knob with skirt, or a double flat knob.

2. Knob size:

|                     |      |
|---------------------|------|
| Respondents:        | 92.9 |
| Small knob (<3/4"): | 20.0 |
| Large knob (>3/4")  | 80.0 |

3. Knob height above table:

|              |      |
|--------------|------|
| Respondends  | 92.9 |
| Low (<=1/2") | 41.5 |
| High (>1/2") | 58.5 |



4. Operating speed:

|              |      |
|--------------|------|
| Respondents: | 98.6 |
| 5-10 wpm     | 8.7  |
| 10-15 wpm    | 37.7 |
| 15-20 wpm    | 50.7 |
| 20+ wpm      | 2.9  |

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Date: Sat, 06 Dec 1997 18:53:56 -0500  
From: ckrelic@usaor.net  
To: qrp-l@Lehigh.EDU  
Subject: [32091] FS:Century/21 Stn  
Message-ID: <3489E593.6D3C7B68@usaor.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Making room so priced right.

Package deal: Century/21 with Crystal Calibrator  
10 15 20 40 80 Meters with built in  
power supply, does run 12 volts.  
TenTec serviced, rebuilt PT0/VF0,  
new finals, and extra set of good ones.  
New SCR on power supply board, and  
alignment. Close to Mint condition, copy  
of manual, shipped in TenTec box.  
"As new" MFJ QRP 971 antenna tuner,  
300W 30W or 6W scale which is accurate.  
Manual and box \$250 for both.  
Curt/Ka3ivb email or 412-693-9890

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End of QRP-L Digest 931

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